

Water Management

Linn County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
8B: Judson-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
11B: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill	0.30
					Cutbanks cave	0.10
Ely-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.22	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
21: Muck-----	Somewhat limited Seepage	0.57	Very limited Depth to saturated zone	1.00	Somewhat limited Cutbanks cave	0.10
41A: Sparta-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
41B: Sparta-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
41C: Sparta-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
41D: Sparta-----	Very limited Seepage Slope	1.00 0.02	Very limited Seepage	1.00	Very limited Deep to water	1.00
63A: Chelsea-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.96	Very limited Deep to water	1.00
63B: Chelsea-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.96	Very limited Deep to water	1.00
63C: Chelsea-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.96	Very limited Deep to water	1.00

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63D: Chelsea-----	Very limited Seepage Slope	1.00 0.02	Somewhat limited Seepage	0.96	Very limited Deep to water	1.00
63F: Chelsea-----	Very limited Seepage Slope	1.00 0.24	Somewhat limited Seepage	0.96	Very limited Deep to water	1.00
83B: Kenyon-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.50	Very limited Deep to water	1.00
83C: Kenyon-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.50	Very limited Deep to water	1.00
83C2: Kenyon-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.50	Very limited Deep to water	1.00
83D2: Kenyon-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.50	Very limited Deep to water	1.00
84: Clyde-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Piping	1.00 0.78	Somewhat limited Cutbanks cave	0.10
88: Nevin-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
110B: Lamont-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
110C: Lamont-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00

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118: Garwin-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
119A: Muscatine-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
120A: Tama-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.01	Very limited Deep to water	1.00
120B: Tama-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.01	Very limited Deep to water	1.00
120C: Tama-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.01	Very limited Deep to water	1.00
120C2: Tama-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.01	Very limited Deep to water	1.00
133: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
133+: Colo-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
151: Marshan-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 0.95	Very limited Cutbanks cave	1.00

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
152: Marshan-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage Piping	1.00 0.95 0.62	Very limited Cutbanks cave	1.00
154F: Loamy Terrace Escarp	Not rated		Not rated		Not rated	
160: Walford-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
162B: Downs-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.13	Very limited Deep to water	1.00
162C: Downs-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.13	Very limited Deep to water	1.00
162C2: Downs-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.13	Very limited Deep to water	1.00
162D: Downs-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.13	Very limited Deep to water	1.00
162D2: Downs-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.13	Very limited Deep to water	1.00
163B: Fayette-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
163C: Fayette-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.05	Very limited Deep to water	1.00

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
163C2: Fayette-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.03	Very limited Deep to water	1.00
163D: Fayette-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
163D2: Fayette-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.03	Very limited Deep to water	1.00
163D3: Fayette-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.03	Very limited Deep to water	1.00
163E: Fayette-----	Somewhat limited Seepage Slope	0.70 0.04	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
163E2: Fayette-----	Somewhat limited Seepage Slope	0.70 0.04	Somewhat limited Piping	0.03	Very limited Deep to water	1.00
163E3: Fayette-----	Somewhat limited Seepage Slope	0.70 0.04	Somewhat limited Piping	0.03	Very limited Deep to water	1.00
163F: Fayette-----	Somewhat limited Seepage Slope	0.70 0.24	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
163F2: Fayette-----	Somewhat limited Seepage Slope	0.70 0.24	Somewhat limited Piping	0.03	Very limited Deep to water	1.00

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
165A: Stronghurst-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.45	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
171B: Bassett-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.44	Very limited Deep to water	1.00
171C: Bassett-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.44	Very limited Deep to water	1.00
171C2: Bassett-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.44	Very limited Deep to water	1.00
171D2: Bassett-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.44	Very limited Deep to water	1.00
171E2: Bassett-----	Somewhat limited Seepage Slope	0.70 0.04	Somewhat limited Piping	0.44	Very limited Deep to water	1.00
171F2: Bassett-----	Somewhat limited Seepage Slope	0.70 0.18	Somewhat limited Piping	0.44	Very limited Deep to water	1.00
175A: Dickinson, Maat<50--	Very limited Seepage	1.00	Somewhat limited Seepage	0.95	Very limited Deep to water	1.00
175B: Dickinson, Maat<50--	Very limited Seepage	1.00	Somewhat limited Seepage	0.95	Very limited Deep to water	1.00
175C: Dickinson, Maat<50--	Very limited Seepage	1.00	Somewhat limited Seepage	0.95	Very limited Deep to water	1.00

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
175D: Dickinson, Maat<50--	Very limited Seepage Slope	1.00 0.01	Somewhat limited Seepage	0.95	Very limited Deep to water	1.00
177A: Saude-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.20	Very limited Deep to water	1.00
177B: Saude-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.20	Very limited Deep to water	1.00
177C: Saude-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.20	Very limited Deep to water	1.00
178A: Waukee-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
178B: Waukee-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
184A: Klinger-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.03	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
198B: Floyd-----	Very limited Seepage	1.00	Somewhat limited Piping Depth to saturated zone	0.95 0.43	Somewhat limited Deep to water Cutbanks cave	0.25 0.10
204B: Dodgeville-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Thin layer	0.86	Very limited Deep to water	1.00
204C: Dodgeville-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Thin layer	0.86	Very limited Deep to water	1.00

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
207C2: Whalan-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Thin layer Piping	0.86 0.05	Very limited Deep to water	1.00
212: Kennebec-----	Very limited Seepage	1.00	Somewhat limited Piping	0.86	Somewhat limited Deep to water Cutbanks cave	0.81 0.10
213B: Rockton-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Thin layer	0.86	Very limited Deep to water	1.00
213C: Rockton-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Thin layer	0.86	Very limited Deep to water	1.00
214B: Rockton-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Piping Thin layer	0.88 0.86	Very limited Deep to water	1.00
214C: Rockton-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Piping Thin layer	0.88 0.86	Very limited Deep to water	1.00
214D: Rockton-----	Very limited Seepage Depth to bedrock Slope	1.00 0.86 0.01	Somewhat limited Piping Thin layer	0.88 0.86	Very limited Deep to water	1.00
220A: Nodaway-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10
220B: Nodaway-----	Somewhat limited Seepage	0.70	Very limited Piping	1.00	Somewhat limited Deep to water Slow refill Cutbanks cave	0.81 0.30 0.10

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
221: Muck-----	Very limited Seepage	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Cutbanks cave	0.10
225: Lawler-----	Very limited Seepage	1.00	Somewhat limited Depth to saturated zone Seepage	0.43 0.20	Very limited Cutbanks cave Deep to water	1.00 0.25
226: Lawler-----	Very limited Seepage	1.00	Somewhat limited Depth to saturated zone Seepage	0.43 0.20	Very limited Cutbanks cave Deep to water	1.00 0.25
284A: Flagler-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.20	Very limited Deep to water	1.00
284B: Flagler-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.20	Very limited Deep to water	1.00
284C: Flagler-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.20	Very limited Deep to water	1.00
284C2: Flagler-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.20	Very limited Deep to water	1.00
285C: Burkhardt-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.91	Very limited Deep to water	1.00
285D2: Burkhardt-----	Very limited Seepage Slope	1.00 0.01	Somewhat limited Seepage	0.91	Very limited Deep to water	1.00
291A: Atterberry-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.76	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
291B: Atterberry-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.76	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
293C: Chelsea-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.96	Very limited Deep to water	1.00
Lamont-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
Fayette-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
293C2: Chelsea-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.96	Very limited Deep to water	1.00
Fayette-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.03	Very limited Deep to water	1.00
Lamont-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
293D: Chelsea-----	Very limited Seepage Slope	1.00 0.02	Somewhat limited Seepage	0.96	Very limited Deep to water	1.00
Fayette-----	Somewhat limited Seepage Slope	0.70 0.02	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
Lamont-----	Very limited Seepage Slope	1.00 0.02	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
293D2: Chelsea-----	Very limited Seepage Slope	1.00 0.02	Somewhat limited Seepage	0.96	Very limited Deep to water	1.00
Fayette-----	Somewhat limited Seepage Slope	0.70 0.02	Somewhat limited Piping	0.03	Very limited Deep to water	1.00

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Lamont-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
	Slope	0.02				
293F: Chelsea-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.96	Very limited Deep to water	1.00
	Slope	0.24				
Fayette-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.05	Very limited Deep to water	1.00
	Slope	0.24				
Lamont-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
	Slope	0.18				
293F2: Chelsea-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.96	Very limited Deep to water	1.00
	Slope	0.24				
Fayette-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.03	Very limited Deep to water	1.00
	Slope	0.24				
Lamont-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
	Slope	0.24				
302C2: Coggon-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.58	Very limited Deep to water	1.00
315: Loamy Alluvial Land-	Not rated		Not rated		Not rated	
350A: Waukegan-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.52	Very limited Deep to water	1.00
350B: Waukegan-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.52	Very limited Deep to water	1.00
350C: Waukegan-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.52	Very limited Deep to water	1.00

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351A: Atterberry-----	Very limited Seepage	1.00	Somewhat limited Seepage Depth to saturated zone Piping	1.00 0.43 0.15	Very limited Cutbanks cave Deep to water	1.00 0.25
352A: Whittier-----	Very limited Seepage	1.00	Somewhat limited Seepage Piping	0.99 0.97	Very limited Deep to water	1.00
352B: Whittier-----	Very limited Seepage	1.00	Somewhat limited Seepage Piping	0.99 0.97	Very limited Deep to water	1.00
352C2: Whittier-----	Very limited Seepage	1.00	Somewhat limited Seepage Piping	0.99 0.97	Very limited Deep to water	1.00
353B: Tell-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
353C2: Tell-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
354: Marsh-----	Not rated		Not rated		Not rated	
377B: Dinsdale-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.28	Very limited Deep to water	1.00
377C: Dinsdale-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.25	Very limited Deep to water	1.00
377C2: Dinsdale-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.25	Very limited Deep to water	1.00

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381B: Klinger-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.03	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
Maxfield-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
382: Maxfield-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone	1.00	Somewhat limited Slow refill Cutbanks cave	0.30 0.10
391B: Clyde-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Piping	1.00 0.78	Somewhat limited Cutbanks cave	0.10
Floyd-----	Very limited Seepage	1.00	Somewhat limited Piping Depth to saturated zone	0.95 0.43	Somewhat limited Deep to water Cutbanks cave	0.25 0.10
Schley-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Seepage	1.00 0.09	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
393B: Sparta-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.18	Very limited Deep to water	1.00
393C: Sparta-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.18	Very limited Deep to water	1.00
398: Tripoli-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.28	Somewhat limited Slow refill Cutbanks cave	0.30 0.10

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399A: Readlyn-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.35	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
407B: Schley-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Seepage	1.00 0.09	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
408B: Olin-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.08	Very limited Deep to water	1.00
408C: Olin-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.08	Very limited Deep to water	1.00
409B: Dickinson-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.08	Very limited Deep to water	1.00
409C: Dickinson-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.08	Very limited Deep to water	1.00
412C: Sogn-----	Very limited Seepage Depth to bedrock	1.00 1.00	Very limited Thin layer	1.00	Very limited Deep to water	1.00
412D: Sogn-----	Very limited Seepage Depth to bedrock Slope	1.00 1.00 0.02	Very limited Thin layer	1.00	Very limited Deep to water	1.00
412G: Sogn-----	Very limited Seepage Depth to bedrock Slope	1.00 1.00 0.24	Very limited Thin layer	1.00	Very limited Deep to water	1.00

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426A: Aredale-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.08	Very limited Deep to water	1.00
426B: Aredale-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.08	Very limited Deep to water	1.00
426C: Aredale-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.08	Very limited Deep to water	1.00
428B: Ely-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.22	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
442C: Dickinson-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.62	Very limited Deep to water	1.00
Sparta-----	Very limited Seepage	1.00	Very limited Seepage	1.00	Very limited Deep to water	1.00
Tama-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.03	Very limited Deep to water	1.00
442D: Dickinson-----	Very limited Seepage Slope	1.00 0.01	Somewhat limited Seepage	0.62	Very limited Deep to water	1.00
Sparta-----	Very limited Seepage Slope	1.00 0.01	Very limited Seepage	1.00	Very limited Deep to water	1.00
Tama-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.03	Very limited Deep to water	1.00
471A: Oran-----	Somewhat limited Seepage	0.70	Somewhat limited Piping Depth to saturated zone	0.73 0.43	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10

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Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
471B: Oran-----	Somewhat limited Seepage	0.70	Somewhat limited Piping Depth to saturated zone	0.73 0.43	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
478G: Steep Rock Land-----	Not rated		Not rated		Not rated	
484: Lawson-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 1.00	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01
485: Spillville-----	Very limited Seepage	1.00	Somewhat limited Piping	0.62	Somewhat limited Deep to water Cutbanks cave	0.81 0.10
578A: Waukee-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
578B: Waukee-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
578C: Waukee-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
663D: Seaton-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.88	Very limited Deep to water	1.00
663D2: Seaton-----	Somewhat limited Seepage Slope	0.70 0.01	Somewhat limited Piping	0.88	Very limited Deep to water	1.00

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
663E: Seaton-----	Somewhat limited Seepage Slope	0.70 0.04	Somewhat limited Piping	0.88	Very limited Deep to water	1.00
663E2: Seaton-----	Somewhat limited Seepage Slope	0.70 0.04	Somewhat limited Piping	0.88	Very limited Deep to water	1.00
663F: Seaton-----	Somewhat limited Seepage Slope	0.70 0.24	Somewhat limited Piping	0.88	Very limited Deep to water	1.00
663F2: Seaton-----	Somewhat limited Seepage Slope	0.70 0.24	Somewhat limited Piping	0.88	Very limited Deep to water	1.00
725: Hayfield-----	Very limited Seepage	1.00	Somewhat limited Seepage Depth to saturated zone	0.95 0.02	Very limited Cutbanks cave Deep to water	1.00 0.68
726: Hayfield-----	Very limited Seepage	1.00	Somewhat limited Seepage Depth to saturated zone	0.95 0.02	Very limited Cutbanks cave Deep to water	1.00 0.68
761A: Franklin-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.17	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
761B: Franklin-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Piping	0.43 0.17	Somewhat limited Slow refill Deep to water Cutbanks cave	0.30 0.25 0.10
771B: Waubee-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.23	Very limited Deep to water	1.00

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
771C2: Waubeek-----	Somewhat limited Seepage	0.70	Somewhat limited Piping	0.77	Very limited Deep to water	1.00
772: Donnan Variant-----	Somewhat limited Seepage	0.05	Very limited Depth to saturated zone Hard to pack	1.00 0.30	Very limited Deep to water	1.00
777A: Wapsie-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
777B: Wapsie-----	Very limited Seepage	1.00	Somewhat limited Seepage	0.98	Very limited Deep to water	1.00
778A: Sattre-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
778B: Sattre-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
778C2: Sattre-----	Very limited Seepage	1.00	Somewhat limited Seepage	1.00	Very limited Deep to water	1.00
782B: Donnan-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Hard to pack	0.86 0.35	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.06
782C2: Donnan-----	Somewhat limited Seepage	0.70	Somewhat limited Depth to saturated zone Hard to pack	0.86 0.35	Very limited Slow refill Cutbanks cave Deep to water	1.00 0.10 0.06
793A: Bertrand-----	Very limited Seepage	1.00	Very limited Piping Seepage	1.00 0.09	Very limited Deep to water	1.00

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Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
793B: Bertrand-----	Very limited Seepage	1.00	Very limited Piping	1.00	Very limited Deep to water	1.00
809B: Bertram-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Thin layer Seepage	0.86 0.08	Very limited Deep to water	1.00
809C: Bertram-----	Very limited Seepage Depth to bedrock	1.00 0.86	Somewhat limited Thin layer Seepage	0.86 0.08	Very limited Deep to water	1.00
977: Richwood-----	Very limited Seepage	1.00	Somewhat limited Piping	0.87	Very limited Deep to water	1.00
Bp: Borrow Areas-----	Not rated		Not rated		Not rated	
ML: Made Land-----	Not rated		Not rated		Not rated	
Q: Limestone Quarries--	Not rated		Not rated		Not rated	
SP: Pits, Sand And Gravel-----	Not rated		Not rated		Not rated	
T119A: Muscatine-----	Very limited Seepage	1.00	Somewhat limited Piping Seepage Depth to saturated zone	0.68 0.45 0.09	Very limited Cutbanks cave Deep to water	1.00 0.54

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
T120A: Tama-----	Very limited Seepage	1.00	Somewhat limited Piping Seepage	0.96 0.45	Very limited Deep to water	1.00
T120B: Tama-----	Very limited Seepage	1.00	Somewhat limited Piping Seepage	0.96 0.45	Very limited Deep to water	1.00
T160: Walford-----	Very limited Seepage	1.00	Very limited Depth to saturated zone Seepage	1.00 0.39	Very limited Cutbanks cave	1.00
T163B: Fayette-----	Very limited Seepage	1.00	Somewhat limited Piping Seepage	0.22 0.09	Very limited Deep to water	1.00
T291A: Atterberry-----	Somewhat limited Seepage	0.70	Very limited Depth to saturated zone Piping	1.00 0.76	Somewhat limited Slow refill Cutbanks cave Deep to water	0.30 0.10 0.01